ABSTRACT OF THE DISCLOSURE

A semiconductor device for securely controlling access to a cryptographic processor including a semiconductor package with a biometric data capture device therein operative to acquire data associated with predetermined biometric characteristic of a user and store it as a biometric key, and a processing unit in the package coupled to the data capture device. An encryption/decryption circuit is also disposed in the semiconductor package and is operative to perform encryption or decryption on input data utilizing the biometric key.